1.   An enterprise evaluation device, comprising:

technical document acquisition means for acquiring

5   technical documents such as publications of unexamined patent

applications or registered patents from a technical document

database;

total number of inventions per technical field extraction

means for classifying the acquired technical documents into

10   respective technical fields such as IPC sub-classes or

keywords, and for extracting the total number of inventions

per technical field such as the total number of patent

applications per technical field or the total number of claims

filed per technical field;

15   number of inventions per technical field and per

enterprise extraction means for classifying the acquired

technical documents into respective enterprises such as

applicants and into respective technical fields such as IPC

sub-classes or keywords, and for extracting the number of

20   inventions per enterprise and per technical field such as the

number of patent applications per enterprise and per technical

field or the number of claims filed per enterprise and per

technical field;

oligopoly score per technical field calculation means for

25   calculating number-of-inventions share per technical field and

per enterprise through dividing the number of inventions per

enterprise and per technical field by the total number of inventions per technical field, and for accumulating the number-of-inventions share per technical field and per enterprise powered by ka (wherein ka > 1) for each enterprise

5   having at least one invention in a predetermined technical field, thereby calculating the oligopoly score per technical field; and

output means for outputting the calculated oligopoly score per technical field to display means, printing means,

10   recording medium, or another telecommunications device via a communication line.

2.   An enterprise evaluation device, comprising:

technical document acquisition means for acquiring

15   technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

total number of inventions per technical field extraction means for classifying the acquired technical documents into

20   respective technical fields such as IPC sub-classes or keywords, and for extracting the total number of inventions per technical field such as the total number of patent applications per technical field or the total number of claims filed per technical field;

25   number of inventions per technical field and per enterprise extraction means for classifying the acquired

technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and for extracting the number of inventions per enterprise and per technical field such as the

5   number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

oligopoly score per technical field calculation means for calculating number-of-inventions share per technical field and

10   per enterprise through dividing the number of inventions per enterprise and per technical field by the total number of inventions per technical field, and for accumulating the number-of-inventions share per technical field and per enterprise powered by ka (wherein ka > 1) for each enterprise

15   having at least one invention in a predetermined technical field, thereby calculating the oligopoly score per technical field;

oligopolistic state per technical field judgment means for comparing a predetermined threshold with the calculated

20   oligopoly score per technical field, and for judging whether the number of inventions in the predetermined technical field is in an oligopolistic state of a specific enterprise, or a competitive state of numerous enterprises; and

output means for outputting an index showing the

25   oligopolistic state or the competitive state judged by the oligopolistic state per technical field judgment means to

display means, printing means, recording medium, or another

telecommunications device via a communication line.

3.   An enterprise evaluation device, comprising:

5   technical document acquisition means for acquiring

technical documents such as publications of unexamined patent

applications or registered patents from a technical document

database;

total number of inventions per technical field extraction

10   means for classifying the acquired technical documents into

respective technical fields such as IPC sub-classes or

keywords, and for extracting the total number of inventions

per technical field such as the total number of patent

applications per technical field or the total number of claims

15   filed per technical field;

number of inventions per technical field and per

enterprise extraction means for classifying the acquired

technical documents into respective enterprises such as

applicants and into respective technical fields such as IPC

20   sub-classes or keywords, and for extracting the number of

inventions per enterprise and per technical field such as the

number of patent applications per enterprise and per technical

field or the number of claims filed per enterprise and per

technical field;

25   oligopoly score per technical field calculation means for

calculating number-of-inventions share per technical field and

per enterprise through dividing the number of inventions per

enterprise and per technical field by the total number of

inventions per technical field, and for accumulating the

number-of-inventions share per technical field and per

5   enterprise powered by ka (wherein ka > 1) for each enterprise

having at least one invention in a predetermined technical

field, thereby calculating the oligopoly score per technical

field;

oligopolistic state per technical field judgment means

10   for comparing a predetermined threshold with the calculated

oligopoly score per technical field, and for judging whether

the number of inventions in the predetermined technical field

is in an oligopolistic state of a specific enterprise, or a

competitive state of numerous enterprises;

15   display data generation means for generating display data

for an indication of the oligopoly score per technical field

in a numerical value or in a bar graph and an indication of

the judgment result of whether in an oligopolistic state or in

a competitive state, to display these indications within the

20   same frame or at an adjacent position; and

output means for outputting the display data to display

means, printing means, recording medium, or another

telecommunications device via a communication line.

25   4.   An enterprise evaluation device, comprising:

technical document acquisition means for acquiring

technical documents such as publications of unexamined patent

applications or registered patents from a technical document

database;

total number of inventions per enterprise extraction

5   means for classifying the acquired technical documents into

respective enterprises such as applicants, and for extracting

the total number of inventions per enterprise such as the

total number of patent applications per enterprise or the

total number of claims filed per enterprise;

10   number of inventions per technical field and per

enterprise extraction means for classifying the acquired

technical documents into respective enterprises such as

applicants and into respective technical fields such as IPC

sub-classes or keywords, and for extracting the number of

15   inventions per enterprise and per technical field such as the

number of patent applications per enterprise and per technical

field or the number of claims filed per enterprise and per

technical field;

oligopoly score per enterprise calculation means for

20   calculating number-of-inventions share per enterprise and per

technical field through dividing the number of inventions per

enterprise and per technical field by the total number of

inventions per enterprise, and for accumulating the number-of-

inventions share per enterprise and per technical field

25   powered by kb (wherein kb > 0) for each technical field having

at least one invention in a predetermined enterprise, thereby

calculating the oligopoly score per enterprise; and

output means for outputting the calculated oligopoly score per enterprise to display means, printing means, recording medium, or another telecommunications device via a communication line.

5. An enterprise evaluation device, comprising:

technical document acquisition means for acquiring technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

total number of inventions per enterprise extraction means for classifying the acquired technical documents into respective enterprises such as applicants, and for extracting the total number of inventions per enterprise such as the total number of patent applications per enterprise or the total number of claims filed per enterprise;

number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and for extracting the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

oligopoly score per enterprise calculation means for
calculating number-of-inventions share per enterprise and per
technical field through dividing the number of inventions per
enterprise and per technical field by the total number of

5   inventions per enterprise, and for accumulating the number-of-
inventions share per enterprise and per technical field
powered by kb (wherein kb > 0) for each technical field having
at least one invention in a predetermined enterprise, thereby
calculating the oligopoly score per enterprise;

10   diversification per enterprise categorizing means for
comparing a predetermined threshold with the calculated
oligopoly score per enterprise, and for categorizing whether
the number of inventions in the predetermined enterprise is
concentrated in a specific technical field or diversified in

15   numerous technical fields through representation with a figure
or wording; and

output means for outputting display data of categories
with the figure or wording to display means, printing means,
recording medium, or another telecommunications device via a

20   communication line.

6.   An enterprise evaluation device, comprising:
technical document acquisition means for acquiring
technical documents such as publications of unexamined patent

25   applications or registered patents from a technical document
database;

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total number of inventions per enterprise extraction
means for classifying the acquired technical documents into
respective enterprises such as applicants, and for extracting
the total number of inventions per enterprise such as the

5   total number of patent applications per enterprise or the
total number of claims filed per enterprise;

number of inventions per technical field and per
enterprise extraction means for classifying the acquired
technical documents into respective enterprises such as

10   applicants and into respective technical fields such as IPC
sub-classes or keywords, and for extracting the number of
inventions per enterprise and per technical field such as the
number of patent applications per enterprise and per technical
field or the number of claims filed per enterprise and per

15   technical field;

oligopoly score per enterprise calculation means for
calculating number-of-inventions share per enterprise and per
technical field through dividing the number of inventions per
enterprise and per technical field by the total number of

20   inventions per enterprise, and for accumulating the number-of-
inventions share per enterprise and per technical field
powered by kb (wherein kb > 0) for each technical field having
at least one invention in a predetermined enterprise, thereby
calculating the oligopoly score per enterprise;

25   diversification index calculation means for calculating a
diversification index by subtracting the oligopoly score per

enterprise from 1, or a diversification index by subtracting the oligopoly score per enterprise from 1 and multiplying 100 thereto;

diversification per enterprise categorizing means for comparing a predetermined threshold with the calculated diversification index, and for categorizing whether the number of inventions in the predetermined enterprise is concentrated in a specific technical field or diversified in numerous technical fields through representation with a figure or wording; and

output means for outputting display data of categories with the figure or wording to display means, printing means, recording medium, or another telecommunications device via a communication line.

7. An enterprise evaluation device, comprising:

technical document acquisition means for acquiring technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

total number of inventions per technical field extraction means for classifying the acquired technical documents into respective technical fields such as IPC sub-classes or keywords, and for extracting the total number of inventions per technical field such as the total number of patent applications per technical field or the total number of claims

filed per technical field;

number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and for extracting the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

oligopoly score per technical field calculation means for calculating number-of-inventions share per technical field and per enterprise through dividing the number of inventions per enterprise and per technical field by the total number of inventions per technical field, and for accumulating the number-of-inventions share per technical field and per enterprise powered by ka (wherein ka > 1) for each enterprise having at least one invention in a predetermined technical field, thereby calculating the oligopoly score per technical field;

oligopoly-emphasized score per technical field calculation means for calculating the oligopoly-emphasized score per technical field by multiplying the number-of-inventions share per technical field and per enterprise and the oligopoly score per technical-field; and

output means for outputting the calculated oligopoly-

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emphasized score per technical field to display means, printing means, recording medium, or another telecommunications device via a communication line.

5 8.   An enterprise evaluation device, comprising:

technical document acquisition means for acquiring technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

10   total number of inventions per technical field extraction means for classifying the acquired technical documents into respective technical fields such as IPC sub-classes or keywords, and for extracting the total number of inventions per technical field such as the total number of patent
15   applications per technical field or the total number of claims filed per technical field;

number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents into respective enterprises such as
20   applicants and into respective technical fields such as IPC sub-classes or keywords, and for extracting the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per
25   technical field;

oligopoly score per technical field calculation means for

calculating number-of-inventions share per technical field and per enterprise through dividing the number of inventions per enterprise and per technical field by the total number of inventions per technical field, and for accumulating the

5 number-of-inventions share per technical field and per enterprise powered by ka (wherein ka > 1) for each enterprise having at least one invention in a predetermined technical field, thereby calculating the oligopoly score per technical field;

10 oligopoly-emphasized score per technical field calculation means for calculating the oligopoly-emphasized score per technical field by multiplying the number-of-inventions share per technical field and per enterprise and the oligopoly score per technical field;

15 enterprise competitive position score calculation means for accumulating the oligopoly-emphasized score per technical field for each technical field having at least one invention in a predetermined enterprise, thereby calculating the enterprise competitive position score; and

20 output means for outputting the calculated enterprise competitive position score to display means, printing means, recording medium, or another telecommunications device via a communication line.

25 9. An enterprise evaluation device, comprising:
technical document acquisition means for acquiring

technical documents such as publications of unexamined patent

applications or registered patents from a technical document

database;

total number of inventions per technical field extraction

5   means for classifying the acquired technical documents into

respective technical fields such as IPC sub-classes or

keywords, and for extracting the total number of inventions

per technical field such as the total number of patent

applications per technical field or the total number of claims

10   filed per technical field;

number of inventions per technical field and per

enterprise extraction means for classifying the acquired

technical documents into respective enterprises such as

applicants and into respective technical fields such as IPC

15   sub-classes or keywords, and for extracting the number of

inventions per enterprise and per technical field such as the

number of patent applications per enterprise and per technical

field or the number of claims filed per enterprise and per

technical field;

20   oligopoly score per technical field calculation means for

calculating number-of-inventions share per technical field and

per enterprise through dividing the number of inventions per

enterprise and per technical field by the total number of

inventions per technical field, and for accumulating the

25   number-of-inventions share per technical field and per

enterprise powered by ka (wherein ka > 1) for each enterprise

having at least one invention in a predetermined technical field, thereby calculating the oligopoly score per technical field;

oligopoly-emphasized score per technical field

5   calculation means for calculating the oligopoly-emphasized score per technical field by multiplying the number-of-inventions share per technical field and per enterprise and the oligopoly score per technical field;

enterprise competitive position score calculation means

10   for accumulating the oligopoly-emphasized score per technical field for each technical field having at least one invention in a predetermined enterprise, thereby calculating the enterprise competitive position score;

enterprise competitive position score categorizing means

15   for comparing a predetermined threshold with the calculated enterprise competitive position score, and for categorizing the competitive position of the predetermined enterprise relating to inventions through representation with a figure or wording;

20   display data generation means for generating display data of categories with the figure or wording; and

output means for outputting the display data to display means, printing means, recording medium, or another telecommunications device via a communication line.

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10.   The enterprise evaluation device according to claim 9,

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wherein the threshold is a value using an average value or standard deviation of the enterprise competitive position scores of all enterprises.

5 11. An enterprise evaluation device, comprising:

technical document acquisition means for acquiring technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

10 total number of inventions per technical field extraction means for classifying the acquired technical documents into respective technical fields such as IPC sub-classes or keywords, and for extracting the total number of inventions per technical field such as the total number of patent

15 applications per technical field or the total number of claims filed per technical field;

number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents into respective enterprises such as

20 applicants and into respective technical fields such as IPC sub-classes or keywords, and for extracting the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or. the number of claims filed per enterprise and per

25 technical field;

oligopoly score per technical field calculation means for

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calculating number-of-inventions share per technical field and

per enterprise through dividing the number of inventions per

enterprise and per technical field by the total number of

inventions per technical field, and for accumulating the

5   number-of-inventions share per technical field and per

enterprise powered by ka (wherein ka > 1) for each enterprise

having at least one invention in a predetermined technical

field, thereby calculating the oligopoly score per technical

field;

10   oligopoly-emphasized score per technical field

calculation means for calculating the oligopoly-emphasized

score per technical field by multiplying the number-of-

inventions share per technical field and per enterprise and

the oligopoly score per technical field;

15   enterprise competitive position score calculation means

for accumulating the oligopoly-emphasized score per technical

field for each technical field having at least one invention

in a predetermined enterprise, thereby calculating the

enterprise competitive position score;

20   standardized enterprise competitive position score

calculation means for calculating the standardized enterprise

competitive position score through dividing the enterprise

competitive position score by the number of technical fields;

and

25   output means for outputting the calculated standardized

enterprise competitive position score to display means,

printing means, recording medium, or another

telecommunications device via a communication line.

12.   An enterprise evaluation device, comprising:

5   technical document acquisition means for acquiring

technical documents such as publications of unexamined patent

applications or registered patents from a technical document

database;

total number of inventions per technical field extraction

10   means for classifying the acquired technical documents into

respective technical fields such as IPC sub-classes or

keywords, and for extracting the total number of inventions

per technical field such as the total number of patent

applications per technical field or the total number of claims

15   filed per technical field;

number of inventions per technical field and per

enterprise extraction means for classifying the acquired

technical documents into respective enterprises such as

applicants and into respective technical fields such as IPC

20   sub-classes or keywords, and for extracting the number of

inventions per enterprise and per technical field such as the

number of patent applications per enterprise and per technical

field or the number of claims filed per enterprise and per

technical field;

25   oligopoly score per technical field calculation means for

calculating number-of-inventions share per technical field and

per enterprise through dividing the number of inventions per enterprise and per technical field by the total number of inventions per technical field, and for accumulating the number-of-inventions share per technical field and per

5   enterprise powered by ka (wherein ka > 1) for each enterprise having at least one invention in a predetermined technical field, thereby calculating the oligopoly score per technical field;

oligopoly-emphasized score per technical field

10   calculation means for calculating the oligopoly-emphasized score per technical field by multiplying the number-of-inventions share per technical field and per enterprise and the oligopoly score per technical field;

enterprise competitive position score calculation means

15   for accumulating the oligopoly-emphasized score per technical field for each technical field having at least one invention in a predetermined enterprise, thereby calculating the enterprise competitive position score;

standardized enterprise competitive position score

20   calculation means for calculating the standardized enterprise competitive position score through dividing the enterprise competitive position score by the number of technical fields;

standardized enterprise competitive position score categorizing means for comparing a predetermined threshold

25   with the calculated standardized enterprise competitive position score, and for categorizing the competitive position

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of the predetermined enterprise relating to inventions through

representation with a figure or wording;

display data generation means for generating display data

of categories with the figure or wording; and

5   output means for outputting the display data to display

means, printing means, recording medium, or another

telecommunications device via a communication line.

13.   The enterprise evaluation device according to claim 12,

10   wherein the threshold is a value using an average value or

standard deviation of the standardized enterprise competitive

position scores of all enterprises.

14.   An enterprise evaluation device, comprising:

15   technical document acquisition means for acquiring

technical documents such as publications of unexamined patent

applications or registered patents from a technical document

database;

total number of inventions per technical field extraction

20   means for classifying the acquired technical documents into

respective technical fields such as IPC sub-classes or

keywords, and for extracting the total number of inventions

per technical field such as the total number of patent

applications per technical field or the total number of claims

25   filed per technical field;

number of inventions per technical field and per

enterprise extraction means for classifying the acquired

technical documents into respective enterprises such as

applicants and into respective technical fields such as IPC

sub-classes or keywords, and for extracting the number of

5   inventions per enterprise and per technical field such as the

number of patent applications per enterprise and per technical

field or the number of claims filed per enterprise and per

technical field;

oligopoly score per technical field calculation means for

10   calculating number-of-inventions share per technical field and

per enterprise through dividing the number of inventions per

enterprise and per technical field by the total number of

inventions per technical field, and for accumulating the

number-of-inventions share per technical field and per

15   enterprise powered by ka (wherein ka > 1) for each enterprise

having at least one invention in a predetermined technical

field, thereby calculating the oligopoly score per technical

field;

oligopoly-emphasized score per technical field

20   calculation means for calculating the oligopoly-emphasized

score per technical field by multiplying the number-of-

inventions share per technical field and per enterprise and

the oligopoly score per technical field;

enterprise competitive position score calculation means

25   for accumulating the oligopoly-emphasized score per technical

field for each technical field having at least one invention

in a predetermined enterprise, thereby calculating the

enterprise competitive position score;

rate of increase of inventions acquisition means for

acquiring the rate of increase in number of inventions in the

5   predetermined enterprise and the rate of increase in number of

inventions in all enterprises based on date information of the

acquired technical documents;

excess growth rate calculation means for calculating the

excess growth rate of the predetermined enterprise by

10   subtracting the rate of increase in number of inventions in

all enterprises from the rate of increase in number of

inventions in the predetermined enterprise;

enterprise competitive position index calculation means

for calculating the enterprise competitive position index by

15   multiplying the enterprise competitive position score to a

value obtained by adding 1 to the excess growth rate; and

output means for outputting the enterprise competitive

position index to display means, printing means, recording

medium, or another telecommunications device via a

20   communication line.

15.   An enterprise evaluation device, comprising:

technical document acquisition means for acquiring

technical documents such as publications of unexamined patent

25   applications or registered patents from a technical document

database;

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total number of inventions per technical field extraction
means for classifying the acquired technical documents into
respective technical fields such as IPC sub-classes or
keywords, and for extracting the total number of inventions
5   per technical field such as the total number of patent
applications per technical field or the total number of claims
filed per technical field;

number of inventions per technical field and per
enterprise extraction means for classifying the acquired
10   technical documents into respective enterprises such as
applicants and into respective technical fields such as IPC
sub-classes or keywords, and for extracting the number of
inventions per enterprise and per technical field such as the
number of patent applications per enterprise and per technical
15   field or the number of claims filed per enterprise and per
technical field;

oligopoly score per technical field calculation means for
calculating number-of-inventions share per technical field and
per enterprise through dividing the number of inventions per
20   enterprise and per technical field by the total number of
inventions per technical field, and for accumulating the
number-of-inventions share per technical field and per
enterprise powered by ka (wherein ka > 1) for each enterprise
having at least one invention in a predetermined technical
25   field, thereby calculating the oligopoly score per technical
field;

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oligopoly-emphasized score per technical field

calculation means for calculating the oligopoly-emphasized

score per technical field by multiplying the number-of-

inventions share per technical field and per enterprise and

5   the oligopoly score per technical field;

enterprise competitive position score calculation means

for accumulating the oligopoly-emphasized score per technical

field for each technical field having at least one invention

in a predetermined enterprise, thereby calculating the

10 enterprise competitive position score;

rate of increase of inventions acquisition means for

acquiring the rate of increase in number of inventions in the

predetermined enterprise and the rate of increase in number of

inventions in all enterprises based on date information of the

15 acquired technical documents;

excess growth rate calculation means for calculating the

excess growth rate of the predetermined enterprise by

subtracting the rate of increase in number of inventions in

all enterprises from the rate of increase in number of

20 inventions in the predetermined enterprise;

enterprise competitive position index calculation means

for calculating the enterprise competitive position index by

multiplying the enterprise competitive position score to a

value obtained by adding 1 to the excess growth rate;

25   enterprise competitive position index categorizing means

for comparing a predetermined threshold with the calculated

enterprise competitive position index, and for categorizing the competitive position of the predetermined enterprise relating to inventions through representation with a figure or wording;

5   display data generation means for generating display data of categories with the figure or wording; and

output means for outputting the display data to display means, printing means, recording medium, or another telecommunications device via a communication line.

10

16.   The enterprise evaluation device according to claim 15, wherein the threshold is a value using an average value or standard deviation of the enterprise competitive position indexes of all enterprises.

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17.   An enterprise evaluation device, comprising:

technical document acquisition means for acquiring technical documents such as publications of unexamined patent applications or registered patents from a technical document

20   database;

total number of inventions per technical field extraction means for classifying the acquired technical documents into respective technical fields such as IPC sub-classes or keywords, and for extracting the total number of inventions

25   per technical field such as the total number of patent applications per technical field or the total number of claims

filed per technical field;

number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and for extracting the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

oligopoly score per technical field calculation means for calculating number-of-inventions share per technical field and per enterprise through dividing the number of inventions per enterprise and per technical field by the total number of inventions per technical field, and for accumulating the number-of-inventions share per technical field and per enterprise powered by ka (wherein ka > 1) for each enterprise having at least one invention in a predetermined technical field, thereby calculating the oligopoly score per technical field;

oligopoly-emphasized score per technical field calculation means for calculating the oligopoly-emphasized score per technical field by multiplying the number-of-inventions share per technical field and per enterprise and the oligopoly score per technical field;

enterprise competitive position score calculation means

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for accumulating the oligopoly-emphasized score per technical field for each technical field having at least one invention in a predetermined enterprise, thereby calculating the enterprise competitive position score;

5   rate of increase of inventions acquisition means for acquiring the rate of increase in number of inventions in the predetermined enterprise and the rate of increase in number of inventions in all enterprises based on date information of the acquired technical documents;

10   excess growth rate calculation means for calculating the excess growth rate of the predetermined enterprise by subtracting the rate of increase in number of inventions in all enterprises from the rate of increase in number of inventions in the predetermined enterprise;

15   enterprise competitive position index calculation means for calculating the enterprise competitive position index by multiplying the enterprise competitive position score to a value obtained by adding 1 to the excess growth rate;

standardized enterprise competitive position index
20 calculation means for calculating the standardized enterprise competitive position index through dividing the enterprise competitive position index by the number of technical fields; and

output means for outputting the standardized enterprise
25 competitive position index to display means, printing means, recording medium, or another telecommunications device via a

communication line.

18.　An enterprise evaluation device, comprising:

technical document acquisition means for acquiring

5　technical documents such as publications of unexamined patent

applications or registered patents from a technical document

database;

total number of inventions per technical field extraction

means for classifying the acquired technical documents into

10　respective technical fields such as IPC sub-classes or

keywords, and for extracting the total number of inventions

per technical field such as the total number of patent

applications per technical field or the total number of claims

filed per technical field;

15　number of inventions per technical field and per

enterprise extraction means for classifying the acquired

technical documents into respective enterprises such as

applicants and into respective technical fields such as IPC

sub-classes or keywords, and for extracting the number of

20　inventions per enterprise and per technical field such as the

number of patent applications per enterprise and per technical

field or the number of claims filed per enterprise and per

technical field;

oligopoly score per technical field calculation means for

25　calculating number-of-inventions share per technical field and

per enterprise through dividing the number of inventions per

enterprise and per technical field by the total number of inventions per technical field, and for accumulating the number-of-inventions share per technical field and per enterprise powered by ka (wherein ka > 1) for each enterprise

5 having at least one invention in a predetermined technical field, thereby calculating the oligopoly score per technical field;

oligopoly-emphasized score per technical field calculation means for calculating the oligopoly-emphasized

10 score per technical field by multiplying the number-of-inventions share per technical field and per enterprise and the oligopoly score per technical field;

enterprise competitive position score calculation means for accumulating the oligopoly-emphasized score per technical

15 field for each technical field having at least one invention in a predetermined enterprise, thereby calculating the enterprise competitive position score;

rate of increase of inventions acquisition means for acquiring the rate of increase in number of inventions in the

20 predetermined enterprise and the rate of increase in number of inventions in all enterprises based on date information of the acquired technical documents;

excess growth rate calculation means for calculating the excess growth rate of the predetermined enterprise by

25 subtracting the rate of increase in number of inventions in all enterprises from the rate of increase in number of

inventions in the predetermined enterprise;

enterprise competitive position index calculation means for calculating the enterprise competitive position index by multiplying the enterprise competitive position score to a
5   value obtained by adding 1 to the excess growth rate;

standardized enterprise competitive position index calculation means for calculating the standardized enterprise competitive position index through dividing the enterprise competitive position index by the number of technical fields;
10   standardized enterprise competitive position index categorizing means for comparing a predetermined threshold with the calculated standardized enterprise competitive position index, and for categorizing the competitive position of the predetermined enterprise relating to inventions through
15   representation with a figure or wording;

display data generation means for generating display data of categories with the figure or wording; and

output means for outputting the display data to display means, printing means, recording medium, or another
20   telecommunications device via a communication line.

19.   The enterprise evaluation device according to claim 18, wherein the threshold is a value using an average value or standard deviation of the standardized enterprise competitive
25   position indexes of all enterprises.

20. The enterprise evaluation device according to any one of claims 1 to 19, wherein the technical field is classified by IPC sections, IPC classes, IPC sub-classes, IPC main groups, IPC sub-groups, F terms, FI, facets or keywords contained in
5   the technical documents.

21. The enterprise evaluation device according to any one of claims 1 to 19, wherein the technical documents are publications of registered patents, unexamined patent
10 applications, registered utility models, unexamined utility model applications, published translations of PCT international applications, domestic re-publications of PCT international applications, foreign publications, published appeal and trial decisions, transitional information or
15 journals of technical disclosure.

22. The enterprise evaluation device according to any one of claims 1 to 19, wherein the number of inventions among the total number of inventions per technical field or number of
20 inventions per enterprise and per technical field is the number of patent or utility model applications, number of claims filed, number of registrations, number of claims registered, number of examination requests, number of claims requested for examination, number of decisions of registration,
25 number of claims decided to be registered, number of decisions of rejection, number of claims decided to be rejected, number

of demands for trial, number of claims demanded for trial or the ratios thereof.

23. An enterprise evaluation device, comprising:

display data generation means for generating display data for associating and displaying

the category of the oligopoly score per enterprise according to claim 5 or the category of the diversification index according to claim 6 and

the category of the enterprise competitive position score according to claim 9 or claim 10, or the category of the standardized enterprise competitive position score according to claim 12 or claim 13; and

output means for outputting the display data to display means, printing means, recording medium, or another telecommunications device via a communication line.

24. An enterprise evaluation device, comprising:

display data generation means for generating display data for associating and displaying

the category of the oligopoly score per enterprise according to claim 5 or the category of the diversification index according to claim 6 and

the category of the enterprise competitive position index according to claim 15 or claim 16, or the category of the standardized enterprise competitive position index according

to claim 18 or claim 19; and

output means for outputting the display data to display means, printing means, recording medium, or another telecommunications device via a communication line.

5

25.   An enterprise evaluation device, comprising:

display data generation means for generating display data for associating and displaying

the category of the oligopoly score per enterprise according

10   to claim 5 or the category of the diversification index according to claim 6 and

the enterprise competitive position score according to claim 8 or the standardized enterprise competitive position score according to claim 11, or the enterprise competitive position

15   index according to claim 14 or the standardized enterprise competitive position index according to claim 17; and

output means for outputting the display data to display means, printing means, recording medium, or another telecommunications device via a communication line.

20

26.   An enterprise evaluation device, comprising:

management-finance information acquisition means for acquiring management-finance information of an enterprise to be researched from a management-finance database recording

25   management-finance information such as information showing the size of the enterprise or finance information of the

enterprise;

display data generation means for generating display data for displaying, enterprise by enterprise and via a graph or chart, the relationship of the oligopoly score per enterprise
5   according to claim 4, the oligopoly-emphasized score per technical field according to claim 7, enterprise competitive position score according to claim 8, standardized enterprise competitive position score according to claim 11, enterprise competitive position index according to claim 14 or the
10   standardized enterprise competitive position index according to claim 17 and the acquired management-finance information of the enterprise to be researched; and

output means for outputting the display data to display means, printing means, recording medium, or another
15   telecommunications device via a communication line.

27.   The enterprise evaluation device according to claim 26, wherein the management-finance information includes the sales volume, sales profit, operating profit, sales profit ratio,
20   operating profit ratio, total market value to total assets ratio, total market value to stockholders' equity ratio, total market value to sales volume ratio, total market value to gross operating profit ratio, total market value to operating profit ratio, gross operating profit to total assets ratio,
25   gross operating profit to stockholders' equity ratio, operating profit to total assets ratio, operating profit to

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stockholders' equity ratio, stockholders' equity ratio,

balance of total market value and stockholders' equity, R&D

cost, R&D cost to sales volume ratio, R&D cost to gross

operating profit ratio, gross operating profit ratio, gross

5   operating profit or other financial information of the

enterprise.

28.   An enterprise evaluation program to be executed with an

enterprise evaluation device comprising: technical document

10   acquisition means for acquiring technical documents from a

technical document database; total number of inventions per

technical field extraction means for classifying the acquired

technical documents into respective technical fields and for

extracting the total number of inventions per technical field;

15   number of inventions per technical field and per enterprise

extraction means for classifying the acquired technical

documents and for extracting the number of inventions per

enterprise and per technical field; oligopoly score per

technical field calculation means for calculating the

20   oligopoly score per technical field; output means for

outputting the calculated oligopoly score per technical field

to display means or the like; and information processing means

capable of controlling said technical document acquisition

means, total number of inventions per technical field

25   extraction means, number of inventions per technical field and

per enterprise extraction means, oligopoly score per technical

field calculation means and output means,

wherein said information processing means realizes:

a function for making said technical document acquisition means acquire technical documents such as publications of

5 unexamined patent applications or registered patents from the technical document database;

a function for making said total number of inventions per technical field extraction means classify the acquired technical documents into respective technical fields such as

10 IPC sub-classes or keywords, and extract the total number of inventions per technical field such as the total number of patent applications per technical field or the total number of claims filed per technical field;

a function for making said number of inventions per

15 technical field and per enterprise extraction means classify the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and extract the number of inventions per enterprise and per technical field such as the

20 number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

a function for making said oligopoly score per technical field calculation means calculate number-of-inventions share

25 per technical field and per enterprise through dividing the number of inventions per enterprise and per technical field by

the total number of inventions per technical field, and

accumulate the number-of-inventions share per technical field

and per enterprise powered by ka (wherein ka > 1) for each

enterprise having at least one invention in a predetermined

5   technical field, thereby calculate the oligopoly score per

technical field; and

a function for making said output means output the

calculated oligopoly score per technical field to display

means, printing means, recording medium, or another

10 telecommunications device via a communication line.

29.   An enterprise evaluation program to be executed with an

enterprise evaluation device comprising: technical document

acquisition means for acquiring technical documents from a

15 technical document database; total number of inventions per

technical field extraction means for classifying the acquired

technical documents into respective technical fields and for

extracting the total number of inventions per technical field;

number of inventions per technical field and per enterprise

20 extraction means for classifying the acquired technical

documents and for extracting the number of inventions per

enterprise and per technical field; oligopoly score per

technical field calculation means for calculating the

oligopoly score per technical field; oligopolistic state per

25 technical field judgment means for judging whether the number

of inventions in the predetermined technical field is in an

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oligopolistic state of a specific enterprise; output means for

outputting an index showing the oligopolistic state or

competitive state to display means or the like; and

information processing means capable of controlling said

5   technical document acquisition means, total number of

inventions per technical field extraction means, number of

inventions per technical field and per enterprise extraction

means, oligopoly score per technical field calculation means,

oligopolistic state per technical field judgment means and

10   output means,

wherein said information processing means realizes:

a function for making said technical document acquisition

means acquire technical documents such as publications of

unexamined patent applications or registered patents from a

15   technical document database;

a function for making said total number of inventions per

technical field extraction means classify the acquired

technical documents into respective technical fields such as

IPC sub-classes or keywords, and extract the total number of

20   inventions per technical field such as the total number of

patent applications per technical field or the total number of

claims filed per technical field;

a function for making said number of inventions per

technical field and per enterprise extraction means classify

25   the acquired technical documents into respective enterprises

such as applicants and into respective technical fields such

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as IPC sub-classes or keywords, and extract the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

a function for making said oligopoly score per technical field calculation means calculate number-of-inventions share per technical field and per enterprise through dividing the number of inventions per enterprise and per technical field by the total number of inventions per technical field, and accumulate the number-of-inventions share per technical field and per enterprise powered by ka (wherein ka > 1) for each enterprise having at least one invention in a predetermined technical field, thereby calculate the oligopoly score per technical field;

a function for making said oligopolistic state per technical field judgment means compare a predetermined threshold with the calculated oligopoly score per technical field, and judge whether the number of inventions in the predetermined technical field is in an oligopolistic state of a specific enterprise, or a competitive state of numerous enterprises; and

a function for making said output means output an index showing the oligopolistic state or the competitive state judged by the oligopolistic state per technical field judgment means to display means, printing means, recording medium, or

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another telecommunications device via a communication line.

30.   An enterprise evaluation program to be executed with an enterprise evaluation device comprising: technical document acquisition means for acquiring technical documents from a technical document database; total number of inventions per technical field extraction means for classifying the acquired technical documents into respective technical fields and for extracting the total number of inventions per technical field; number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents and for extracting the number of inventions per enterprise and per technical field; oligopoly score per technical field calculation means for calculating the oligopoly score per technical field; oligopolistic state per technical field judgment means for judging whether the number of inventions in the predetermined technical field is in an oligopolistic state of a specific enterprise; display data generation means for generating display data; output means for outputting the display data to display means or the like; and information processing means capable of controlling said technical document acquisition means, total number of inventions per technical field extraction means, number of inventions per technical field and per enterprise extraction means, oligopoly score per technical field calculation means, oligopolistic state per technical field judgment means,

display data generation means and output means,

wherein said information processing means realizes:

a function for making said technical document acquisition

means acquire technical documents such as publications of

5   unexamined patent applications or registered patents from a

technical document database;

a function for making said total number of inventions per

technical field extraction means classify the acquired

technical documents into respective technical fields such as

10 IPC sub-classes or keywords, and extract the total number of

inventions per technical field such as the total number of

patent applications per technical field or the total number of

claims filed per technical field;

a function for making said number of inventions per

15 technical field and per enterprise extraction means classify

the acquired technical documents into respective enterprises·

such as applicants and into respective technical fields such

as IPC sub-classes or keywords, and extract the number of

inventions per enterprise and per technical field such as the

20 number of patent applications per enterprise and per technical

field or the number of claims filed per enterprise and per

technical field;

a function for making said oligopoly score per technical

field calculation means calculate number-of-inventions share

25 per technical field and per enterprise through dividing the

number of inventions per enterprise and per technical field by

the total number of inventions per technical field, and

accumulate the number-of-inventions share per technical field

and per enterprise powered by ka (wherein ka > 1) for each

enterprise having at least one invention in a predetermined

5   technical field, thereby calculate the oligopoly score per

technical field;

a function for making said oligopolistic state per

technical field judgment means compare a predetermined

threshold with the calculated oligopoly score per technical

10   field, and judge whether the number of inventions in the

predetermined technical field is in an oligopolistic state of

a specific enterprise, or a competitive state of numerous

enterprises; and

a function for making said output means output the

15   display data to display means, printing means, recording

medium, or another telecommunications device via a

communication line.

31.   An enterprise evaluation program to be executed with an

20   enterprise evaluation device comprising: technical document

acquisition means for acquiring technical documents from a

technical document database; total number of inventions per

enterprise extraction means for classifying the acquired

technical documents into respective enterprises and for

25   extracting the total number of inventions per enterprise;

number of inventions per technical field and per enterprise

extraction means for classifying the acquired technical

documents and for extracting the number of inventions per

enterprise and per technical field; oligopoly score per

enterprise calculation means for calculating the oligopoly

5   score per enterprise; output means for outputting the

calculated oligopoly score per enterprise to display means or

the like; and information processing means capable of

controlling said technical document acquisition means, total

number of inventions per enterprise extraction means, number

10   of inventions per technical field and per enterprise

extraction means, oligopoly score per enterprise calculation

means and output means,

wherein said information processing means realizes:

a function for making said technical document acquisition

15   means acquire technical documents such as publications of

unexamined patent applications or registered patents from a

technical document database;

a function for making said total number of inventions per

enterprise extraction means classify the acquired technical

20   documents into respective enterprises such as applicants, and

extract the total number of inventions per enterprise such as

the total number of patent applications per enterprise or the

total number of claims filed per enterprise;

a function for making said number of inventions per

25   technical field and per enterprise extraction means classify

the acquired technical documents into respective enterprises

such as applicants and into respective technical fields such as IPC sub-classes or keywords, and extract the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical

5   field or the number of claims filed per enterprise and per technical field;

a function for making said oligopoly score per enterprise calculation means calculate number-of-inventions share per enterprise and per technical field through dividing the number

10   of inventions per enterprise and per technical field by the total number of inventions per enterprise, and accumulate the number-of-inventions share per enterprise and per technical field powered by kb (wherein kb > 0) for each technical field having at least one invention in a predetermined enterprise,

15   thereby calculate the oligopoly score per enterprise; and

a function for making said output means output the calculated oligopoly score per enterprise to display means, printing means, recording medium, or another telecommunications device via a communication line.

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32.   An enterprise evaluation program to be executed with an enterprise evaluation device comprising: technical document acquisition means for acquiring technical documents from a technical document database; total number of inventions per

25   enterprise extraction means for classifying the acquired technical documents into respective enterprises and for

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extracting the total number of inventions per enterprise;

number of inventions per technical field and per enterprise

extraction means for classifying the acquired technical

documents and for extracting the number of inventions per

5   enterprise and per technical field; oligopoly score per

enterprise calculation means for calculating the oligopoly

score per enterprise; diversification per enterprise

categorizing means for comparing a predetermined threshold

with the calculated oligopoly score per enterprise and for

10   categorizing through representation with a figure or wording;

output means for outputting the display data of categories

with the figure or wording to display means or the like; and

information processing means capable of controlling said

technical document acquisition means, total number of

15   inventions per enterprise extraction means, number of

inventions per technical field and per enterprise extraction

means, oligopoly score per enterprise calculation means,

diversification per enterprise categorizing means and output

means,

20   wherein said information processing means realizes:

a function for making said technical document acquisition

means acquire technical documents such as publications of

unexamined patent applications or registered patents from a

technical document database;

25   a function for making said total number of inventions per

enterprise extraction means classify the acquired technical

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documents into respective enterprises such as applicants, and extract the total number of inventions per enterprise such as the total number of patent applications per enterprise or the total number of claims filed per enterprise;

5   a function for making said number of inventions per technical field and per enterprise extraction means classify the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and extract the number of

10   inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

       a function for making said oligopoly score per enterprise

15   calculation means calculate number-of-inventions share per enterprise and per technical field through dividing the number of inventions per enterprise and per technical field by the total number of inventions per enterprise, and accumulate the number-of-inventions share per enterprise and per technical

20   field powered by kb (wherein kb > 0) for each technical field having at least one invention in a predetermined enterprise, thereby calculate the oligopoly score per enterprise;

       a function for making said diversification per enterprise categorizing means compare a predetermined threshold with the

25   calculated oligopoly score per enterprise, and categorize whether the number of inventions in the predetermined

enterprise is concentrated in a specific technical field or

diversified in numerous technical fields through

representation with a figure or wording; and

a function for making said output means output display

5 data of categories with the figure or wording to display means,

printing means, recording medium, or another

telecommunications device via a communication line.

33. An enterprise evaluation program to be executed with an

10 enterprise evaluation device comprising: technical document

acquisition means for acquiring technical documents from a

technical document database; total number of inventions per

enterprise extraction means for classifying the acquired

technical documents into respective enterprises and for

15 extracting the total number of inventions per enterprise;

number of inventions per technical field and per enterprise

extraction means for classifying the acquired technical

documents and for extracting the number of inventions per

enterprise and per technical field; oligopoly score per

20 enterprise calculation means for calculating the oligopoly

score per enterprise; diversification index calculation means

for calculating a diversification index; diversification per

enterprise categorizing means for categorizing whether the

number of inventions in the predetermined enterprise is

25 concentrated in a specific technical field through

representation with a figure or wording; output means for

outputting the display data of categories with the figure or wording to display means or the like; and information processing means capable of controlling said technical document acquisition means, total number of inventions per

5   enterprise extraction means, number of inventions per technical field and per enterprise extraction means, oligopoly score per enterprise calculation means, diversification index calculation means, diversification per enterprise categorizing means and output means,

10   wherein said information processing means realizes:

a function for making said technical document acquisition means acquire technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

15   a function for making said total number of inventions per enterprise extraction means classify the acquired technical documents into respective enterprises such as applicants, and extract the total number of inventions per enterprise such as the total number of patent applications per enterprise or the

20   total number of claims filed per enterprise;

a function for making said number of inventions per technical field and per enterprise extraction means classify the acquired technical documents into respective enterprises such as applicants and into respective technical fields such

25   as IPC sub-classes or keywords, and extract the number of inventions per enterprise and per technical field such as the

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number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

a function for making said oligopoly score per enterprise calculation means calculate number-of-inventions share per enterprise and per technical field through dividing the number of inventions per enterprise and per technical field by the total number of inventions per enterprise, and accumulate the number-of-inventions share per enterprise and per technical field powered by kb (wherein kb > 0) for each technical field having at least one invention in a predetermined enterprise, thereby calculate the oligopoly score per enterprise;

a function for making said diversification index calculation means calculate a diversification index by subtracting the oligopoly score per enterprise from 1, or a diversification index by subtracting the oligopoly score per enterprise from 1 and multiplying 100 thereto;

a function for making said diversification per enterprise categorizing means compare a predetermined threshold with the calculated diversification index, and categorize whether the number of inventions in the predetermined enterprise is concentrated in a specific technical field or diversified in numerous technical fields through representation with a figure or wording; and

a function for making said output means output display data of categories with the figure or wording to display means,

printing means, recording medium, or another
telecommunications device via a communication line.

34.   An enterprise evaluation program to be executed with an
enterprise evaluation device comprising: technical document
acquisition means for acquiring technical documents from a
technical document database; total number of inventions per
technical field extraction means for classifying the acquired
technical documents into respective technical fields and for
extracting the total number of inventions per technical field;
number of inventions per technical field and per enterprise
extraction means for classifying the acquired technical
documents and for extracting the number of inventions per
enterprise and per technical field; oligopoly score per
technical field calculation means for calculating the
oligopoly score per technical field; oligopoly-emphasized
score per technical field calculation means for calculating
the oligopoly-emphasized score per technical field; output
means for outputting the calculated oligopoly-emphasized score
per technical field to display means or the like; and
information processing means capable of controlling said
technical document acquisition means, total number of
inventions per technical field extraction means, number of
inventions per technical field and per enterprise extraction
means, oligopoly score per technical field calculation means,
oligopoly-emphasized score per technical field calculation

means and output means,

wherein said information processing means realizes:

a function for making said technical document acquisition means acquire technical documents such as publications of

5 unexamined patent applications or registered patents from a technical document database;

a function for making said total number of inventions per technical field extraction means classify the acquired technical documents into respective technical fields such as

10 IPC sub-classes or keywords, and extract the total number of inventions per technical field such as the total number of patent applications per technical field or the total number of claims filed per technical field;

a function for making said number of inventions per

15 technical field and per enterprise extraction means classify the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and extract the number of inventions per enterprise and per technical field such as the

20 number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

a function for making said oligopoly score per technical field calculation means calculate number-of-inventions share

25 per technical field and per enterprise through dividing the number of inventions per enterprise and per technical field by

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the total number of inventions per technical field, and

accumulate the number-of-inventions share per technical field

and per enterprise powered by ka (wherein ka > 1) for each

enterprise having at least one invention in a predetermined

5   technical field, thereby calculate the oligopoly score per

technical field;

a function for making said oligopoly-emphasized score per

technical field calculation means calculate the oligopoly-

emphasized score per technical field by multiplying the

10   number-of-inventions share per technical field and per

enterprise and the oligopoly score per technical-field; and

a function for making said output means output the

calculated oligopoly-emphasized score per technical field to

display means, printing means, recording medium, or another

15   telecommunications device via a communication line.

35.   An enterprise evaluation program to be executed with an

enterprise evaluation device comprising: technical document

acquisition means for acquiring technical documents from a

20   technical document database; total number of inventions per

technical field extraction means for classifying the acquired

technical documents into respective technical fields and for

extracting the total number of inventions per technical field;

number of inventions per technical field and per enterprise

25   extraction means for classifying the acquired technical

documents and for extracting the number of inventions per

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enterprise and per technical field; oligopoly score per

technical field calculation means for calculating the

oligopoly score per technical field; oligopoly-emphasized

score per technical field calculation means for calculating

5   the oligopoly-emphasized score per technical field; enterprise

competitive position score calculation means for calculating

the enterprise competitive position score; output means for

outputting the calculated enterprise competitive position

score to display means or the like; and information processing

10   means capable of controlling said technical document

acquisition means, total number of inventions per technical

field extraction means, number of inventions per technical

field and per enterprise extraction means, oligopoly score per

technical field calculation means, oligopoly-emphasized score

15   per technical field calculation means, enterprise competitive

position score calculation means and output means,

wherein said information processing means realizes:

a function for making said technical document acquisition

means acquire technical documents such as publications of

20   unexamined patent applications or registered patents from a

technical document database;

a function for making said total number of inventions per

technical field extraction means classify the acquired

technical documents into respective technical fields such as

25   IPC sub-classes or keywords, and extract the total number of

inventions per technical field such as the total number of

patent applications per technical field or the total number of claims filed per technical field;

a function for making said number of inventions per technical field and per enterprise extraction means classify

5   the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and extract the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical

10 field or the number of claims filed per enterprise and per technical field;

a function for making said oligopoly score per technical field calculation means calculate number-of-inventions share per technical field and per enterprise through dividing the

15 number of inventions per enterprise and per technical field by the total number of inventions per technical field, and accumulate the number-of-inventions share per technical field and per enterprise powered by ka (wherein ka > 1) for each enterprise having at least one invention in a predetermined

20 technical field, thereby calculate the oligopoly score per technical field;

a function for making said oligopoly-emphasized score per technical field calculation means calculate the oligopoly-emphasized score per technical field by multiplying the

25 number-of-inventions share per technical field and per enterprise and the oligopoly score per technical field;

a function for making said enterprise competitive

position score calculation means accumulate the oligopoly-

emphasized score per technical field for each technical field

having at least one invention in a predetermined enterprise,

5   thereby calculate the enterprise competitive position score;

and

a function for making said output means output the

calculated enterprise competitive position score to display

means, printing means, recording medium, or another

10   telecommunications device via a communication line.

36.   An enterprise evaluation program to be executed with an

enterprise evaluation device comprising: technical document

acquisition means for acquiring technical documents from a

15   technical document database; total number of inventions per

technical field extraction means for classifying the acquired

technical documents into respective technical fields and for

extracting the total number of inventions per technical field;

number of inventions per technical field and per enterprise

20   extraction means for classifying the acquired technical

documents and for extracting the number of inventions per

enterprise and per technical field; oligopoly score per

technical field calculation means for calculating the

oligopoly score per technical field; oligopoly-emphasized

25   score per technical field calculation means for calculating

the oligopoly-emphasized score per technical field; enterprise

competitive position score calculation means for calculating

the enterprise competitive position score; enterprise

competitive position score categorizing means for categorizing

the competitive position of the predetermined enterprise

5   relating to inventions through representation with a figure or

wording; display data generation means for generating display

data of categories with the figure or wording; output means

for outputting the display data to display means or the like;

and information processing means capable of controlling said

10   technical document acquisition means, total number of

inventions per technical field extraction means, number of

inventions per technical field and per enterprise extraction

means, oligopoly score per technical field calculation means,

oligopoly-emphasized score per technical field calculation

15   means, enterprise competitive position score calculation means,

enterprise competitive position score categorizing means,

display data generation means and output means,

wherein said information processing means realizes:

a function for making said technical document acquisition

20   means acquire technical documents such as publications of

unexamined patent applications or registered patents from a

technical document database;

a function for making said total number of inventions per

technical field extraction means classify the acquired

25   technical documents into respective technical fields such as

IPC sub-classes or keywords, and extract the total number of

inventions per technical field such as the total number of

patent applications per technical field or the total number of

claims filed per technical field;

a function for making said number of inventions per

5   technical field and per enterprise extraction means classify

the acquired technical documents into respective enterprises

such as applicants and into respective technical fields such

as IPC sub-classes or keywords, and extract the number of

inventions per enterprise and per technical field such as the

10   number of patent applications per enterprise and per technical

field or the number of claims filed per enterprise and per

technical field;

a function for making said oligopoly score per technical

field calculation means calculate number-of-inventions share

15   per technical field and per enterprise through dividing the

number of inventions per enterprise and per technical field by

the total number of inventions per technical field, and

accumulate the number-of-inventions share per technical field

and per enterprise powered by ka (wherein ka > 1) for each

20   enterprise having at least one invention in a predetermined

technical field, thereby calculate the oligopoly score per

technical field;

a function for making said oligopoly-emphasized score per

technical field calculation means calculate the oligopoly-

25   emphasized score per technical field by multiplying the

number-of-inventions share per technical field and per

enterprise and the oligopoly score per technical field;

a function for making said enterprise competitive position score calculation means accumulate the oligopoly-emphasized score per technical field for each technical field

5   having at least one invention in a predetermined enterprise, thereby calculate the enterprise competitive position score;

a function for making said enterprise competitive position score categorizing means compare a predetermined threshold with the calculated enterprise competitive position

10 score, and categorize the competitive position of the predetermined enterprise relating to inventions through representation with a figure or wording;

a function for making said display data generation means generate display data of categories with the figure or

15 wording; and

a function for making said output means output the display data to display means, printing means, recording medium, or another telecommunications device via a communication line.

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37. An enterprise evaluation program to be executed with an enterprise evaluation device comprising: technical document acquisition means for acquiring technical documents from a technical document database; total number of inventions per

25 technical field extraction means for classifying the acquired technical documents into respective technical fields and for

extracting the total number of inventions per technical field;

number of inventions per technical field and per enterprise

extraction means for classifying the acquired technical

documents and for extracting the number of inventions per

5   enterprise and per technical field; oligopoly score per

technical field calculation means for calculating the

oligopoly score per technical field; oligopoly-emphasized

score per technical field calculation means for calculating

the oligopoly-emphasized score per technical field; enterprise

10   competitive position score calculation means for calculating

the enterprise competitive position score; enterprise

competitive position score categorizing means for categorizing

the competitive position of the predetermined enterprise

relating to inventions through representation with a figure or

15   wording; display data generation means for generating display

data of categories with the figure or wording; output means

for outputting the display data to display means or the like;

and information processing means capable of controlling said

technical document acquisition means, total number of

20   inventions per technical field extraction means, number of

inventions per technical field and per enterprise extraction

means, oligopoly score per technical field calculation means,

oligopoly-emphasized score per technical field calculation

means, enterprise competitive position score calculation means,

25   enterprise competitive position score categorizing means,

display data generation means and output means,

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wherein said information processing means realizes:

a function for making said technical document acquisition means acquire technical documents such as publications of unexamined patent applications or registered patents from a

5 technical document database;

a function for making said total number of inventions per technical field extraction means classify the acquired technical documents into respective technical fields such as IPC sub-classes or keywords, and extract the total number of

10 inventions per technical field such as the total number of patent applications per technical field or the total number of claims filed per technical field;

a function for making said number of inventions per technical field and per enterprise extraction means classify

15 the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and extract the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical

20 field or the number of claims filed per enterprise and per technical field;

a function for making said oligopoly score per technical field calculation means calculate number-of-inventions share per technical field and per enterprise through dividing the

25 number of inventions per enterprise and per technical field by the total number of inventions per technical field, and

accumulate the number-of-inventions share per technical field and per enterprise powered by ka (wherein ka > 1) for each enterprise having at least one invention in a predetermined technical field, thereby calculate the oligopoly score per

5 technical field;

a function for making said oligopoly-emphasized score per technical field calculation means calculate the oligopoly-emphasized score per technical field by multiplying the number-of-inventions share per technical field and per

10 enterprise and the oligopoly score per technical field;

a function for making said enterprise competitive position score calculation means accumulate the oligopoly-emphasized score per technical field for each technical field having at least one invention in a predetermined enterprise,

15 thereby calculate the enterprise competitive position score;

a function for making said enterprise competitive position score categorizing means compare a predetermined threshold using an average value or standard deviation of the enterprise competitive position scores of all enterprises with

20 the calculated enterprise competitive position score, and categorize the competitive position of the predetermined enterprise relating to inventions through representation with a figure or wording;

a function for making said display data generation means

25 generate display data of categories with the figure or wording; and

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a function for making said output means output the
display data to display means, printing means, recording
medium, or another telecommunications device via a
communication line.

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38.   An enterprise evaluation program to be executed with an
enterprise evaluation device comprising: technical document
acquisition means for acquiring technical documents from a
technical document database; total number of inventions per
10   technical field extraction means for classifying the acquired
technical documents into respective technical fields and for
extracting the total number of inventions per technical field;
number of inventions per technical field and per enterprise
extraction means for classifying the acquired technical
15   documents and for extracting the number of inventions per
enterprise and per technical field; oligopoly score per
technical field calculation means for calculating the
oligopoly score per technical field; oligopoly-emphasized
score per technical field calculation means for calculating
20   the oligopoly-emphasized score per technical field; enterprise
competitive position score calculation means for calculating
the enterprise competitive position score; standardized
enterprise competitive position score calculation means for
calculating the standardized enterprise competitive position
25   score; output means for outputting the standardized enterprise
competitive position score to display means or the like; and

information processing means capable of controlling said

technical document acquisition means, total number of

inventions per technical field extraction means, number of

inventions per technical field and per enterprise extraction

5   means, oligopoly score per technical field calculation means,

oligopoly-emphasized score per technical field calculation

means, enterprise competitive position score calculation means,

standardized enterprise competitive position score calculation

means and output means,

10   wherein said information processing means realizes:

a function for making said technical document acquisition

means acquire technical documents such as publications of

unexamined patent applications or registered patents from a

technical document database;

15   a function for making said total number of inventions per

technical field extraction means classify the acquired

technical documents into respective technical fields such as

IPC sub-classes or keywords, and extract the total number of

inventions per technical field such as the total number of

20   patent applications per technical field or the total number of

claims filed per technical field;

a function for making said number of inventions per

technical field and per enterprise extraction means classify

the acquired technical documents into respective enterprises

25   such as applicants and into respective technical fields such

as IPC sub-classes or keywords, and extract the number of

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inventions per enterprise and per technical field such as the
number of patent applications per enterprise and per technical
field or the number of claims filed per enterprise and per
technical field;

5   a function for making said oligopoly score per technical
field calculation means calculate number-of-inventions share
per technical field and per enterprise through dividing the
number of inventions per enterprise and per technical field by
the total number of inventions per technical field, and

10   accumulate the number-of-inventions share per technical field
and per enterprise powered by ka (wherein ka > 1) for each
enterprise having at least one invention in a predetermined
technical field, thereby calculate the oligopoly score per
technical field;

15   a function for making said oligopoly-emphasized score per
technical field calculation means calculate the oligopoly-
emphasized score per technical field by multiplying the
number-of-inventions share per technical field and per
enterprise and the oligopoly score per technical field;

20   a function for making said enterprise competitive
position score calculation means accumulate the oligopoly-
emphasized score per technical field for each technical field
having at least one invention in a predetermined enterprise,
thereby calculate the enterprise competitive position score;

25   a function for making said standardized enterprise
competitive position score calculation means calculate the

standardized enterprise competitive position score through

dividing the enterprise competitive position score by the

number of technical fields; and

a function for making said output means output the

5   calculated standardized enterprise competitive position score

to display means, printing means, recording medium, or another

telecommunications device via a communication line.

39.   An enterprise evaluation program to be executed with an

10   enterprise evaluation device comprising: technical document

acquisition means for acquiring technical documents from a

technical document database; total number of inventions per

technical field extraction means for classifying the acquired

technical documents into respective technical fields and for

15   extracting the total number of inventions per technical field;

number of inventions per technical field and per enterprise

extraction means for classifying the acquired technical

documents and for extracting the number of inventions per

enterprise and per technical field; oligopoly score per

20   technical field calculation means for calculating the

oligopoly score per technical field; oligopoly-emphasized

score per technical field calculation means for calculating

the oligopoly-emphasized score per technical field; enterprise

competitive position score calculation means for calculating

25   the enterprise competitive position score; rate of increase of

inventions acquisition means for acquiring the rate of

increase in number of inventions; excess growth rate

calculation means for calculating the excess growth rate of

the predetermined enterprise; enterprise competitive position

index calculation means for calculating the enterprise

5   competitive position index; output means for outputting the

enterprise competitive position index to display means or the

like; and information processing means capable of controlling

said technical document acquisition means, total number of

inventions per technical field extraction means, number of

10   inventions per technical field and per enterprise extraction

means, oligopoly score per technical field calculation means,

oligopoly-emphasized score per technical field calculation

means, enterprise competitive position score calculation means,

rate of increase of inventions acquisition means, excess

15   growth rate calculation means, enterprise competitive position

index calculation means and output means,

wherein said information processing means realizes:

a function for making said technical document acquisition

means acquire technical documents such as publications of

20   unexamined patent applications or registered patents from a

technical document database;

a function for making said total number of inventions per

technical field extraction means classify the acquired

technical documents into respective technical fields such as

25   IPC sub-classes or keywords, and extract the total number of

inventions per technical field such as the total number of

patent applications per technical field or the total number of claims filed per technical field;

a function for making said number of inventions per technical field and per enterprise extraction means classify the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and extract the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

a function for making said oligopoly score per technical field calculation means calculate number-of-inventions share per technical field and per enterprise through dividing the number of inventions per enterprise and per technical field by the total number of inventions per technical field, and accumulate the number-of-inventions share per technical field and per enterprise powered by ka (wherein ka > 1) for each enterprise having at least one invention in a predetermined technical field, thereby calculate the oligopoly score per technical field;

a function for making said oligopoly-emphasized score per technical field calculation means calculate the oligopoly-emphasized score per technical field by multiplying the number-of-inventions share per technical field and per enterprise and the oligopoly score per technical field;

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a function for making said enterprise competitive position score calculation means accumulate the oligopoly-emphasized score per technical field for each technical field having at least one invention in a predetermined enterprise,

5   thereby calculate the enterprise competitive position score;

a function for making said rate of increase of inventions acquisition means acquire the rate of increase in number of inventions in the predetermined enterprise and the rate of increase in number of inventions in all enterprises based on

10 date information of the acquired technical documents;

a function for making said excess growth rate calculation means calculate the excess growth rate of the predetermined enterprise by subtracting the rate of increase in number of inventions in all enterprises from the rate of increase in

15 number of inventions in the predetermined enterprise;

a function for making said enterprise competitive position index calculation means calculate the enterprise competitive position index by multiplying the enterprise competitive position score to a value obtained by adding 1 to

20 the excess growth rate; and

a function for making said output means output the enterprise competitive position index to display means, printing means, recording medium, or another telecommunications device via a communication line.

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40.   An enterprise evaluation program to be executed with an

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enterprise evaluation device comprising: technical document
acquisition means for acquiring technical documents from a
technical document database; total number of inventions per
technical field extraction means for classifying the acquired

5   technical documents into respective technical fields and for
extracting the total number of inventions per technical field;
number of inventions per technical field and per enterprise
extraction means for classifying the acquired technical
documents and for extracting the number of inventions per

10   enterprise and per technical field; oligopoly score per
technical field calculation means for calculating the
oligopoly score per technical field; oligopoly-emphasized
score per technical field calculation means for calculating
the oligopoly-emphasized score per technical field; enterprise

15   competitive position score calculation means for calculating
the enterprise competitive position score; rate of increase of
inventions acquisition means for acquiring the rate of
increase in number of inventions; excess growth rate
calculation means for calculating the excess growth rate of

20   the predetermined enterprise; enterprise competitive position
index calculation means for calculating the enterprise
competitive position index; standardized enterprise
competitive position index calculation means for calculating
the standardized enterprise competitive position index; output

25   means for outputting the standardized enterprise competitive
position index to display means or the like; and information

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processing means capable of controlling said technical

document acquisition means, total number of inventions per

technical field extraction means, number of inventions per

technical field and per enterprise extraction means, oligopoly

5   score per technical field calculation means, oligopoly-

emphasized score per technical field calculation means,

enterprise competitive position score calculation means, rate

of increase of inventions acquisition means, excess growth

rate calculation means, enterprise competitive position index

10   calculation means, standardized enterprise competitive

position index calculation means and output means,

wherein said information processing means realizes:

a function for making said technical document acquisition

means acquire technical documents such as publications of

15   unexamined patent applications or registered patents from a

technical document database;

a function for making said total number of inventions per

technical field extraction means classify the acquired

technical documents into respective technical fields such as

20   IPC sub-classes or keywords, and extract the total number of

inventions per technical field such as the total number of

patent applications per technical field or the total number of

claims filed per technical field;

a function for making said number of inventions per

25   technical field and per enterprise extraction means classify

the acquired technical documents into respective enterprises

such as applicants and into respective technical fields such as IPC sub-classes or keywords, and extract the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical

5   field or the number of claims filed per enterprise and per technical field;

a function for making said oligopoly score per technical field calculation means calculate number-of-inventions share per technical field and per enterprise through dividing the

10   number of inventions per enterprise and per technical field by the total number of inventions per technical field, and accumulate the number-of-inventions share per technical field and per enterprise powered by ka (wherein ka > 1) for each enterprise having at least one invention in a predetermined

15   technical field, thereby calculate the oligopoly score per technical field;

a function for making said oligopoly-emphasized score per technical field calculation means calculate the oligopoly-emphasized score per technical field by multiplying the

20   number-of-inventions share per technical field and per enterprise and the oligopoly score per technical field;

a function for making said enterprise competitive position score calculation means accumulate the oligopoly-emphasized score per technical field for each technical field

25   having at least one invention in a predetermined enterprise, thereby calculate the enterprise competitive position score;

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a function for making said rate of increase of inventions acquisition means acquire the rate of increase in number of inventions in the predetermined enterprise and the rate of increase in number of inventions in all enterprises based on

5   date information of the acquired technical documents;

a function for making said excess growth rate calculation means calculate the excess growth rate of the predetermined enterprise by subtracting the rate of increase in number of inventions in all enterprises from the rate of increase in

10   number of inventions in the predetermined enterprise;

a function for making said enterprise competitive position index calculation means calculate the enterprise competitive position index by multiplying the enterprise competitive position score to a value obtained by adding 1 to

15   the excess growth rate;

a function for making said standardized enterprise competitive position index calculation means calculate the standardized enterprise competitive position index through dividing the enterprise competitive position index by the

20   number of technical fields; and

a function for making said output means output the standardized enterprise competitive position index to display means, printing means, recording medium, or another telecommunications device via a communication line.

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